



Deepwater International Brief – United States Coast Guard

Background:

The Integrated Deepwater System (IDS) is an acquisition program designed to recapitalize the U.S. Coast Guard's aging deepwater assets by modernizing or replacing them with a state-of-the-market, interoperable system of cutters and aircraft, including their supporting command, control, computer, communications, intelligence, surveillance and reconnaissance (C4ISR) and logistics infrastructure. The Deepwater Program provides unique opportunities to support the U.S. Coast Guard's international engagement activities by facilitating international contacts with foreign countries that share similar maritime missions and requirements. This system will provide the U.S. Coast Guard with the necessary capabilities to continue performing its fourteen federally mandated missions well into the 21st century. Deepwater will also enhance the U.S. Coast Guard's ability to conduct joint operations with U.S. Navy and U.S. allies.

In the past, the U.S. Coast Guard replaced its ships and aircraft as they became obsolete or insupportable, normally on a platform class by platform class basis. The Deepwater Program broke from that paradigm. For Deepwater, industry was provided with specifications for the capabilities the U.S. Coast Guard needs to perform its deepwater missions rather than specifications for specific assets. This innovative approach empowers industry to leverage state-of-the-market technologies and processes to achieve Deepwater's overarching goal of maximizing operational effectiveness while minimizing total ownership costs.

On June 25, 2002, the U.S. Coast Guard awarded the Integrated Deepwater System contract to Integrated Coast Guard Systems (ICGS), a joint venture of equal partnership between Lockheed Martin and Northrop Grumman. In executing the contract, ICGS will modernize or replace the U.S. Coast Guard's major cutters and aircraft and their supporting communications, sensors, and logistics systems, transforming the current fleet of aging assets into an integrated, interoperable network-centric system. In developing their proposal, ICGS and the other competitors were given specifications for the capabilities the U.S. Coast Guard needs to perform its deepwater missions instead of specifications for the assets themselves. As stated earlier, this innovative, performance-based approach empowered industry to leverage state-of-the-market technologies to develop an integrated system that achieves Deepwater's overarching goal of maximizing operational effectiveness while minimizing total ownership costs.

Deepwater – Implications for the United States and the International Community:

- 52 Countries have navies that perform deepwater and other missions similar to those of the U.S. Coast Guard. In addition, the U.S. Coast Guard is matched in size/composition of fleet with most of these foreign countries.
- New Deepwater platforms are ideally suited for foreign navies.
- The projected export markets for Frigates, Corvettes, and Offshore Patrol Vessels (OPVs) over the next 15 years is 261 ships worth a total value of \$57.23 billion.
- The markets for Helicopters, UAVs and Recon Aircraft and C4I systems are estimated at over \$40 billion worldwide for U.S. allies and friendly nations over the next 10 years.
- The Integrated Deepwater solution will provide an affordable means for allies to become and remain interoperable with the United States for joint operations.
- As the international market place becomes evermore competitive, the Team Deepwater partnership will be vital to the continued success of U.S. security and economic cooperation efforts. This partnership, which includes ICGS, consists of the following four organizations:



- U.S. Navy International Programs Office
 - U.S. Department of Commerce, Bureau of Export Administration
 - U.S. Department of State
 - Defense Security Cooperation Agency
- The U.S. Coast Guard conducts bilateral maritime counter-narcotics operations with 22 countries. The Deepwater Program will provide the U.S. Coast Guard with the necessary surveillance, speed, agility and firepower to overcome the sophisticated equipment available to today's smugglers.
- The Deepwater Program has undertaken several international education efforts to promote the IDS, meeting with officials from over 20 countries. It also presented at EuroNaval 200 (France), ExpoNaval 200 (Chile) and Pacific 2000 (Australia).
- The competing industry team for the Deepwater contract has a solid history of international partnerships and teaming arrangements.
- The Deepwater Program has helped to spur an interest in new hull designs – an interest that has resulted in several international outreach efforts. For instance, the Service's interest in catamaran and trimaran hull technologies has led to cooperative efforts with Australia and the United Kingdom.